

Claims.

1. Fibre reinforced film, characterised in that it is composed of a basalt fibre layer (2) which is provided on at least one side with a layer of thermoplastic material (3).  
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2. Fibre reinforced film according to claim 1, characterised in that the basalt fibre layer (2) is provided on both sides with a layer of thermoplastic material (3), which layers adhere to each other through the openings between the basalt fibres, such that a matrix of thermoplastic material is created which comprises the basalt fibres.  
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3. Fibre reinforced film according to claim 1 or 2, characterised in that it is provided with perforations (5).  
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4. Fibre reinforced film according to claim 1 or 2, characterised in that it is provided with a membrane (6) on at least one side.
- 20 5. Fibre reinforced film according to claim 1 or 2, characterised in that it is provided with a bonding layer (7) on at least one side.
8. Fibre reinforced film according to claim 1 or 2,

characterised in that it is provided with a membrane (6) on one side and with a bonding layer (7) on the other side.

7. Fibre reinforced film according to claim 4,  
5 characterised in that between the layer of  
thermoplastic material (3) and the membrane (6) is  
provided a barrier layer (9).

8. Fibre reinforced film according to claim 7,  
characterised in that between the layer of thermoplastic  
10 material (3) and the barrier layer (9) is provided a  
bonding layer (8).

9. Fibre reinforced film according to claim 7,  
characterised in that between the barrier layer (9) and  
the membrane (6) is provided a bonding layer (10).

15 10. Fibre reinforced film according to claim 5 or 6,  
characterised in that the bonding layer (7-9-10) mainly  
consists of for example ethylene vinyl acetate,  
ethylene acrylic acid, co-polyester or co-polyamide.

20 11. Fibre reinforced film according to claim 4, 6, 7 or  
9, characterised in that the membrane (6) mainly consists  
of polyester viscose, polyester cellulose or paper.

25 12. Fibre reinforced film according to claim 1 or 2,  
characterised in that the layer of thermoplastic  
material (3) or the thermoplastic matrix is coloured.

13. Fibre reinforced film according to claim 1 or 2, characterised in that the basalt fibre layer (2) is made as a basalt fibre mat (4).

14. Method for manufacturing a basalt fibre reinforced film according to one or several of the preceding claims, characterised in that a basalt fibre layer (2) is supplied and in that at least on one side of the basalt fibre layer (2) is provided a layer of thermoplastic material (3), after which the layer 10 of thermoplastic material (3) is pressed on and cooled.

15. Method according to claim 14, characterised in that, after a layer of thermoplastic material (3) has been provided on one side, and after it has been pressed on and cooled, the basalt fibre layer (2) with the layer of 15 thermoplastic material (3) provided on it is turned, so that the provided layer of thermoplastic material (3) is situated at the bottom, or practically at the bottom, after which a second layer of thermoplastic material (3) is provided on the upward directed side of the 20 basalt fibre layer (2); after which this second layer of thermoplastic material is pressed on and cooled.

16. Method according to claim 14, characterised in that, together with a layer of thermoplastic material (3) provided by means of extrusion, a membrane (6) is 25 applied by means of co-lamination.

17. Method according to claim 14, characterised in that, together with a layer of thermoplastic material (3) being

applied, a bonding layer (7) is applied.

18. Method according to claim 14, 15 or 16, characterised in that after one or several layers of thermoplastic material (3) have been applied, and after they have been pressed on and cooled, and possibly after a membrane (6) and/or a bonding layer (7) has been provided, the film (1) is perforated.

10 19. Method according to any one of claims 14 to 18, characterised in that a layer of thermoplastic material (3) is applied by means of extrusion or co-extrusion.

Improved fibre reinforced film.

Fibre reinforced film, characterised in that it is composed of a basalt fibre layer (2) which is provided on at least one side with a layer of thermoplastic 5 material (3).

Figure 1.